

ABSTRACT

A membrane switch comprises first and second conductors for electrically coupling the positive and negative terminals of the battery, respectively. A set of paired inter-digital shaped electrodes has a plurality of insulation bump dots with a certain interval. A first connector is connected to the first conductor at one end and one of the paired inter-digital shaped electrode at other end. A second connector is connected to the second conductor at one end and another paired inter-digital shaped electrode at other end. A conductive plate is disposed over the set of paired inter-digital shaped electrodes. When a user presses or releases them, the set of paired inter-digital shaped electrodes is electrically connected or disconnected each other, respectively. A protective layer is provided for protecting the paired inter-digital shaped electrodes, the first and second conductors, the first and second connectors and the conductive plate.